## EAST Search History

| Ref# | Hits | Search Query  | DBs                       | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---------------------------|---------------------|---------|---------------------|
| S2   | 2    | ("4014777"   "6443725").PN.   | US-PGPUB;<br>USPAT        | WITH                | ON      | 2008/02/13<br>06:45 |
| S3   | 451  | (431/2),COLS.   | US-PGPUB;<br>USPAT        | OR                  | OFF     | 2008/02/13<br>07:24 |
| S4   | 59   | brown adj gas and generator   | US-PGPUB;<br>USPAT        | WITH                | ON      | 2008/02/13<br>08:36 |
| S5   | 36   | ["0558176"   "0951060"   "0979127"  <br>"1053695"   "1218206"   "1362789"  <br>"1414360"   "1494499"   "1502200"  <br>"1784927"   "1970529"   "1978517"  <br>"2093239"   "2096829"   "3262872"  <br>"4081656"   "4465455"   "4828481"  <br>"5244558"   "5279260"), PN, OR | US-PGPUB;<br>USPAT; USOCR | WITH                | ON      | 2008/02/13<br>08:59 |
| S6   | 7    | "5,196,104"   | US-PGPUB;<br>USPAT; USOCR | WITH                | ON      | 2008/02/13<br>09:15 |
| S7   | 6    | ("3967589"   "5159900").PN. OR<br>("5279260").URPN.   | US-PGPUB;<br>USPAT; USOCR | WITH                | ON      | 2008/02/13<br>09:16 |
| S8   | 27   | ["1273050"   "1582398"   "1632285"  <br>"3262872"   "4014777"   "4184931"  <br>"4379043"   "4747925"   "5082544").PN.<br>OR ("5244558").URPN.   | US-PGPUB;<br>USPAT; USOCR | WITH                | ON      | 2008/02/13<br>09:21 |
| S9   | 13   | ("1876879"   "3980053"   "4224797"  <br> "4344831"   "4361474"   "4368696"  <br> "4450060"   "4841731"),PN. OR<br> ("5196104"),URPN.  | US-PGPUB;<br>USPAT; USOCR | WITH                | ON      | 2008/02/13<br>09:42 |
| S10  | 58   | ["0887989"   "137495"   "1529764"  <br>"1716084"   "1795670"   "4141694"  <br>"4181504"   "4279710"   "4333423"  <br>"4361474"   "4472172"   "4487683"  <br>"4568961"   "4588550"   "4690743"  <br>"Re28547").HN. OR ("5159900").URPN.                                    | US-PGPUB;<br>USPAT; USOCR | WITH                | ON      | 2008/02/13<br>09:53 |
| S11  | 0    | An electrolytic gas generating apparatus<br>for producing a combustible mixture of<br>hydrogen and oxygen by electrolysis of<br>water   | US-PGPUB;<br>USPAT; USOCR | SAME                | ON      | 2008/02/13<br>10:15 |
| S12  | 0    | An electrolytic gas generating apparatus<br>for producing a combustible mixture of<br>hydrogen and oxygen by electrolysis of<br>water   | US-PGPUB;<br>USPAT; USOCR | AND                 | ON      | 2008/02/13<br>10:16 |
| S13  | 1616 | electrolytic gas generating producing<br>hydrogen oxygen electrolysis water   | US-PGPUB;<br>USPAT; USOCR | AND                 | ON      | 2008/02/13<br>10:17 |
| S14  | 112  | S13 and magnet  | US-PGPUB;<br>USPAT; USOCR | AND                 | ON      | 2008/02/13<br>10:17 |
| S15  | 42   | S13 and acoustic  | US-PGPUB;<br>USPAT; USOCR | AND                 | ON      | 2008/02/13<br>10:18 |
| S16  | 293  | S13 and Infra\$red  | US-PGPUB;<br>USPAT; USOCR | AND                 | ON      | 2008/02/13<br>10:18 |
| S17  | 50   | S13 and rotor   | US-PGPUB;<br>USPAT; USOCR | AND                 | ON      | 2008/02/13<br>10:18 |

| S18  | 138  | S13 and Infra\$red and chamber   | US-PGPUB;<br>USPAT; USOCR | AND  | ON  | 2008/02/13<br>11:15 |
|------|------|--|---------------------------|------|-----|---------------------|
| S19  | 0    | ("2007/0274905").URPN.   | USPAT                     | WITH | ON  | 2008/02/13<br>11:27 |
| S20  | 13   | ["3969493"   "3980053"   "4155712"  <br>"4164397"   "4269818"   "4343624"  <br>"4371500"   "4458634"   "4599865"  <br>"5082544"   "56596681"   "5679236"  <br>"5833934").PN. OR ("6719817").URPN.  | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/13<br>12:16 |
| S21  | 17   | ("0795874"   "1917196"   "2757129"  <br>"3977947"   "4052173").PN. OR<br>("4164397").URPN.   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/13<br>12:24 |
| S22  | 6    | ("4457816"   "4801369"   "5037518").<br>PN. OR ("5318684").URPN.   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/13<br>12:37 |
| S23  | 28   | ["1500243"   "2679205"   "3099813"  <br>"3380551"   "3563334"   "357775"  <br>"3620327"   "3658149"   "3669213"  <br>"3700066"   "3895688"   "4300653"  <br>"4599712"   "5013418"). PN. CR<br>["5229977"). URPN.   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/13<br>12:45 |
| S24  | 8    | ("2003/0175947"). URPN.  | USPAT                     | WITH | ON  | 2008/02/13<br>12:53 |
| \$25 | 36   | ["0603058"   "0887989"   "1327495"  <br>"1529764"   "176694"   "1796570"  <br>"20020008014"   "4141694"   "4181504"  <br>"4279710"   "433423"   "4381474"  <br>"4472172"   "4487483"   "456961"  <br>"4598850"   "4690743"   "5159900"  <br>"5417817"   "5435274"   "5692459"  <br>"5173225"   "5825448"   "6113865"  <br>"61174011"   "6153058"   6183604"  <br>"6183608"   "6217713"   "RE28547") PN.<br>(OR ("6554975") URFN. | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/13<br>12:56 |
| S26  | 1    | ("5159900").PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/13<br>13:12 |
| S27  | 197  | electrolytic dissociation water  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>13:14 |
| S28  | 4487 | water chamber (rotor or turbine or blade or fan or auger)  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>13:58 |
| S29  | 244  | water adj chamber (rotor or turbine or<br>blade or fan or auger)   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>13:59 |
| S30  | 3203 | water tank (rotor or turbine or blade or fan or auger)   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>14:08 |
| S31  | 1788 | water vessel(rotor or turbine or blade or fan or auger)  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>14:08 |
| S32  | 1788 | water vessel (rotor or turbine or blade or fan or auger)   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>14:08 |
| S33  | 420  | water adj heater (rotor or turbine or<br>blade or impeller or stirrer)   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>14:26 |
| S34  | 0    | ("2005/0255417").URPN.   | USPAT                     | WITH | ON  | 2008/02/13<br>14:36 |
| S35  | 31   | water adj heater impeller  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>14:38 |
| S36  | 0    | water adj heater internal impeller   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/13<br>14:40 |

| S37 | 0     | water adj heater internal rotor  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/13<br>14:40 |
|-----|-------|--|---------------------------|------|----|---------------------|
| S38 | 0     | water adj heater internal stirrer  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/13<br>14:40 |
| S39 | 16    | water adj heater internal fan  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/13<br>14:40 |
| S40 | 4320  | tank water (circulation or rotation)   | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>08:15 |
| S41 | 80    | tank water hydrogen (dirculation or rotation)  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>08:15 |
| S42 | 33    | tank water hydrogen (turbine)  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>09:23 |
| S43 | 17    | tank water internal turbine  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>09:50 |
| S44 | 81    | ["0996480"   "1073878"   "1753841"   "182315"   "2609228"   "2509576"   "2600987"   "2601241"   "3092073"   "3096787"   "3117724"   "3131867"   "3275241"   "3306541"   "3362841"   "3464628"   "3608282"   3623667   "3712545"   "3608282"   3623667   "3712545"   "3608282"   3623667   "3712545"   "4871350"   "4058960"   "4068801"   "4081135"   "4272025"   "4281793"   "4289015"   "4322484"   "4398669"   "4499015"   "44932484"   "4398669"   "4490677"   "448345"   "4512724"   "4613077"   "4893937"   "55070864"   "510543"   "5658076"   "5542451"   "5560318"   "5658076"   "5542451"   "5560318"   "5658076"   "5679038"   "5718380"   "5689560"   "594205"   "6184562"   "6184562"   "6183169"   "6183171"   "6488401"), PN. OR ("6655830"), URPN. | US-PGPUB;<br>USPAT; USOOR | WITH | ON | 2008/02/14<br>09:52 |
| S45 | 10    | ("1073878").URPN.  | USPAT                     | WITH | ON | 2008/02/14<br>10:02 |
| S46 | 24616 | anode cathode surface  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>12:05 |
| S47 | 1349  | anode cathode chamber surface  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>12:05 |
| S48 | 65    | anode cathode chamber surface hydrogen   | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>12:05 |
| S49 | 40    | anode cathode chamber wall hydrogen  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>12:40 |
| S50 | 1     | gas generator hydrogen reaction chamber electrode symetrical rotor   | US-PGPUB;<br>USPAT        | AND  | ON | 2008/02/14<br>15:23 |
| S51 | 87139 | phase separation   | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>15:24 |

| S52 | 108                                     | [US-20070065765.\$ or US-20050223644-\$ or US-20050005228547-\$ or US-20050005228547-\$ or US-20050005228547-\$ or US-200400149591-\$ or US-2004001412739-\$ or US-200400144085-\$ or US-20040012285 or US-20040044082-\$ or US-20030175947-\$ or US-20030175947-\$ or US-20030175947-\$ or US-20030175947-\$ or US-20020179454-\$ or US-20020179454-\$ or US-20020179454-\$ or US-20020179454-\$ or US-20020179454-\$ or US-2002017945-\$ or US-200201795-\$ or U                           | US PGPUB;<br>USPAT; USOCR | WITH                                    | ON                                      | 2008/02/14<br>15:24                     |
|-----|---|---|---------------------------|---|---|---|
|     | *************************************** | 5037518-\$ or US-4457816-\$ or US-6570819-\$ or US-6128608-\$ or US-6117401-\$ or US-6188608-\$ or US-6117401-\$ or US-6875335-\$ or US-6884368-\$ or US-6875335-\$ or US-638493-\$ or US-5718819-\$ or US-638493-\$ or US-7048839-\$ or US-50796-\$ or US-7048839-\$ or US-502790-\$ or US-7048839-\$ or US-502790-\$ or US-7045042-\$ or US-6269426-\$ or US-626426-\$ or US-626426 |                           |   |   |   |
|     | *************************************** | 5401371-\$ or US-5040252-\$ or US-<br>6855830-\$ or US-684841-\$ or US-<br>5899560-\$), did. or (US-6481885-\$ or US-<br>6207055-\$ or US-6444107-\$ or US-<br>6328611-\$ or US-6224741-\$ or US-<br>6099914-\$), did. or (US-3262872-\$ or US-<br>2098622-\$ or US-197052-\$ or US-<br>1078978-\$), did.   |                           | *************************************** | *************************************** | *************************************** |
| S53 | 0                                       | S52 and phase separtion   | US-PGPUB;<br>USPAT        | WITH                                    | ON                                      | 2008/02/14<br>15:25                     |
| S54 | 30                                      | S52 and phase   | US-PGPUB;<br>USPAT        | WITH                                    | ON                                      | 2008/02/14<br>15:25                     |

| S55 | 6   | S52 and funnel  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:21 |
|-----|-----|---|---------------------------|------|----|---------------------|
| S56 | 2   | suction lance funnel  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:22 |
| S57 | 400 | suction tube funnel   | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:24 |
| S58 | 97  | suction adj tube funnel   | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:24 |
| S59 | 20  | [US-20030141200-5 or US-20030138688-<br>\$ or US-20020179454-\$), Adu, or (US-<br>7048839-\$ or US-6655830-\$ or US-<br>6488401-\$ or US-6655830-\$ or US-<br>632861-\$ or US-6224741-\$ or US-<br>6207055-\$ or US-6113865-\$ or US-<br>6099914-\$ or US-5141416-\$ or US-<br>609914-\$ or US-6147401-\$ or US-<br>6200292-\$ or US-6117401-\$ or US-<br>6718819-\$ or US-61507946-\$), did. or (US-<br>1073878-\$), did.  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/14<br>16:30 |
| S60 | 2   | S59 and outlet valve  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:31 |
| S61 | 3   | S59 and hydrogen valve  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:35 |
| S62 | 1   | bubble-induced acoustic microstreaming  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:58 |
| S63 | 1   | bubble\$induced acoustic streaming  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:58 |
| S64 | 1   | hydrogen bubble acoustic streaming  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:59 |
| S65 | 10  | hydrogen bubble acoustic  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>16:59 |
| S66 | 2   | hydrogen gas acoustic mixing  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>17:01 |
| S67 | 290 | gas generator and acoustic source   | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>17:03 |
| S68 | 23  | hydrogen gas generator and acoustic source  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>17:13 |
| S69 | 0   | hydrogen electrolo\$ and acoustic source  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>17:15 |
| S70 | 1   | hydrogen chamber anode and acoustic source  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>17:15 |
| S71 | 3   | electrocatalytic and acoustic source  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/14<br>17:16 |
| S72 | 23  | [US-20030175947-\$ or US-20030141200-\$ or US-20030138688-\$ or US- 20020179454-\$), did. or (US-665530.\$ or US-6570819-\$ or US-648678-\$ or US-632861-\$ or US-642678-\$ or US-632861-\$ or US-64224741-\$ or US-632861-\$ or US-613865-\$ or US-6039914-\$ or US-6999491-\$ or US-5999491-\$ or US-599441-\$ or US-599481-\$ or US-599481-\$ or US-599481-\$ or US-599481-\$ or US-599481-\$ or US-597441-\$ or US-597481-\$ or US-59748-\$ or U | US-PGPUB;<br>USPAT; USOCR | WITH |    | 2008/02/14<br>17:28 |

| S73 | 1     | S72 and Infra\$red  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/14<br>17:28 |
|-----|-------|---|---------------------------|------|-----|---------------------|
| S74 | 195   | hydrogen-oxygen and Infra\$red  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/14<br>17:29 |
| S75 | 2     | S72 and pressure adj vessel   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/14<br>17:51 |
| S76 | 1     | ("3586435"). PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/15<br>09:50 |
| S77 | 2253  | funnel tube gas   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/15<br>13:38 |
| S78 | 1497  | S77 and hydrogen  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/15<br>13:38 |
| S79 | 78    | funnel tube hydrogen  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/15<br>13:38 |
| S80 | 0     | funnel suction tube hydrogen  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/15<br>13:42 |
| S81 | 24    | funnel suction tube hydrogen  | US-PGPUB;<br>USPAT        | SAME | ON  | 2008/02/15<br>13:42 |
| S82 | 1187  | funnel suction tube   | US-PGPUB;<br>USPAT        | SAME | ON  | 2008/02/15<br>13:43 |
| S83 | 400   | funnel suction tube   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/15<br>13:43 |
| S84 | 0     | S83 hydrogen  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/15<br>13:43 |
| S85 | 14    | S83 gas   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/15<br>13:43 |
| S87 | 7     | acoustic wave enhanced mixing   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/15<br>15:01 |
| S88 | 40    | ["2539466"   "2619415"   "2623815"   "268065"   "2683657"   "2937500"   "2973900"   "3246842"   "3333619"   "3606867"   "3956634"   "4368677"   "4529377"   "4655146"   "4682985"   "4798588"   "4798159"   "4773918"   "4909731"   "4951613"). PN. OR ('5132297"). URPN. | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>15:04 |
| S89 | 13    | S88 and acoustic  | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>15:05 |
| S90 | 12154 | infra-red and hydrogen  | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>16:24 |
| S91 | 459   | infra-red hydrogen  | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>16:25 |
| S92 | 0     | infra-red hydrogen generat  | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>16:25 |
| S93 | 1     | infra-red hydrogen generation   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>16:25 |
| S94 | 0     | infra-red hydrogen electrolosis   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>16:26 |
| S95 | 391   | S91 and water   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>16:26 |
| S96 | 205   | S95 and oxygen  | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/15<br>16:27 |

| S97  | 347  | gas generator IR  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>16:31 |
|------|------|---|---------------------------|------|----|---------------------|
| S98  | 1    | hydrogen bubble Infra   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>16:42 |
| S99  | 1    | infra-red enhanced hydrogen   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>16:43 |
| S100 | 1    | infra-red enhanced mixing   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>16:43 |
| S101 | 36   | ["0558176"   "095106"   "0978127"  <br>"1053695"   "1218206"   "1362789"  <br>"1414360"   "1494499"   "1502200"  <br>"1784927"   "1970529"   "1978517"  <br>"2093239"   "2098629"   "3262872"  <br>"4081656"   "4465455"   "4328481"  <br>"5244558"   "5279260"), P.N. OR<br>["6443725"), URFN. | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>16:51 |
| S102 | 0    | S101 and infra-red  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>16:52 |
| S103 | 0    | S101 and infra  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>16:52 |
| S104 | 663  | Infra-red chamber   | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/15<br>16:56 |
| S105 | 89   | S104 and hydrogen   | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/15<br>16:57 |
| S106 | 1    | infra-red radiation hydrogen bubbles  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/15<br>17:11 |
| S107 | 4    | infra-red radiation hydrogen gas  | US-PGPUB;<br>USPAT        | WITH | ON | 2008/02/15<br>17:13 |
| S108 | 7    | ("3346458").PN. OR ("4448743").URPN.  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:14 |
| S109 | 1    | S108 and infra  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:14 |
| S110 | 1288 | infra-red source and chamber  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:18 |
| S111 | 301  | S110 and hydrogen   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:18 |
| S112 | 194  | S110 and hydrogen and oxygen  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:19 |
| S113 | 50   | S110 and hydrogen with oxygen   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:21 |
| S114 | 2    | brown adj gas and infra-red   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:24 |
| S115 | 2    | water molecules produce hydrogen<br>oxygen infrared radiation   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:29 |
| S116 | 3    | water molecules hydrogen oxygen<br>infrared radiation   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:40 |
| S117 | 27   | anode cathode infrared radiation  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:41 |
| S118 | 1    | electrochemical hydrogen infrared radiation   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2008/02/15<br>17:43 |
| S119 | 8    | electrochemical hydrogen infrared radiation   | US-PGPUB;<br>USPAT; USOCR | SAME | ON | 2008/02/15<br>17:43 |

| S120 | 13    | electrochemical chamber Infra\$red source   | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2008/02/15<br>17:45 |
|------|-------|---|---|------|----|---------------------|
| S121 | 45853 | infrared source chamber   | US-PGPUB;<br>USPAT; USOCR   | AND  | ON | 2008/02/18<br>12:03 |
| S122 | 1151  | infrared source chamber   | US-PGPUB;<br>USPAT; USOOR   | WITH | ON | 2008/02/18<br>12:03 |
| S123 | 235   | S122 and hydrogen   | US-PGPUB;<br>USPAT; USOCR   | WITH | ON | 2008/02/18<br>12:03 |
| S124 | 19    | S123 and anode  | US-PGPUB;<br>USPAT; USOCR   | WITH | ON | 2008/02/18<br>12:03 |
| S125 | 10    | infrared bubbles hydrogen   | US-PGPUB;<br>USPAT; USOCR   | WITH | ON | 2008/02/18<br>12:29 |
| S126 | 30    | ["2002007948"   "20030173075"   "2217370"   "2877852"   "2911101"   "3353682"   "3871411"   "4052316"   "4250172"   "4613369"   "4696751"   "5293935"   "5419953"   "5611399"   "5664628"   "5711879"   "5782299"   "5833853"   "6004639"   "6782299"   "6833853"   "6004639"   "608620"   "6065535"   "6237780"   "6382318"   "6457518"   "6554065"   "6684951"),PN. (OR ("7243715"),URPN. | US-PGPUB;<br>USPAT; USOCR   | WITH | ON | 2008/02/18<br>12:30 |
| S127 | 2     | S126 and infrared   | US-PGPUB;<br>USPAT; USOCR   | WITH | ON | 2008/02/18<br>12:30 |
| S128 | 1     | hydrogen gas infrared resonance vibration water molecules   | US-PGPUB;<br>USPAT; USOCR   | WITH | ON | 2008/02/18<br>12:37 |
| S129 | 2     | hydrogen gas infrared resonance vibration water molecules   | US-PGPUB;<br>USPAT; USOCR   | SAME | ON | 2008/02/18<br>12:37 |
| S130 | 2     | hydrogen gas infrared resonance<br>vibration water molecules  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2008/02/18<br>12:38 |
| S131 | 511   | infrared hydrogen gas   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2008/02/18<br>12:39 |
| S132 | 330   | infrared hydrogen gas   | US-PGPUB;<br>USPAT  | WITH | ON | 2008/02/18<br>12:39 |
| S133 | 28    | S132 and bubble   | US-PGPUB;<br>USPAT  | WITH | ON | 2008/02/18<br>12:40 |
| S134 | 358   | infrared water molecule   | US-PGPUB;<br>USPAT  | WITH | ON | 2008/02/18<br>12:49 |
| S135 | 25    | infrared water molecule resonance   | US-PGPUB;<br>USPAT  | WITH | ON | 2008/02/18<br>12:49 |
| S136 | 0     | ("2005/0006592").URPN.  | USPAT   | WITH | ON | 2008/02/18<br>12:52 |
| S137 | 9     | brown gas infrared  | USPAT   | WITH | ON | 2008/02/18<br>12:53 |
| S138 | 0     | magnet brown gas perpendicular  | US-PGPUB;<br>USPAT  | WITH | ON | 2008/02/18<br>13:14 |

| S139 | 8   | magnet brown gas   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/18<br>13:14 |
|------|-----|--|---------------------------|------|-----|---------------------|
| S140 | 149 | magnet hydrogen gas  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/18<br>13:15 |
| S141 | 1   | magnet hydrogen gas perpendicular  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/18<br>13:15 |
| S142 | 243 | magnetic field hydrogen gas  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/18<br>13:28 |
| S143 | 16  | magnetic field hydrogen gas direction  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/18<br>13:28 |
| S144 | 40  | [US-20030175947-8 or US-20030141200-\$ or US-20030178948-\$ or US- 20020179454-\$), did. or (US-7052790-\$ or US-6655830-\$ or US-6675019-5 or US- 648198-5 or US-6448678-\$ or US- 6443725-\$ or US-6446878-\$ or US- 6443725-\$ or US-6207055-\$ or US- 6224741-\$ or US-6207055-\$ or US- 6224741-\$ or US-6207055-\$ or US- 6524991-\$ or US-6514416-\$ or US- 5989491-\$ or US-6512109-\$ or US- 5419977-\$ or US-5512109-\$ or US- 5419977-\$ or US-5518990-\$ or US- 525534-\$ or US-5159900-\$ or US- 5025189-\$ or US-5037518-\$ or US- 5055189-\$ or US-5037518-\$ or US- 4822981-\$ (did. or (US-477925-\$ or US- 4823981-\$ (did. or (US-477925-\$ or US- 4832981-\$ or US-50556435-\$ or US- 51507448-\$ or US-5518819-\$ or US- 5507448-\$ or US-5718819-\$ or US- 5507448-\$ or US-5718819-\$ or US- 5507348-\$ or US-5718819-\$ or US-   | US-POPUB;<br>USPAT; USOOR | WITH | ON  | 2008/02/19<br>07:50 |
| S145 | 3   | S144 and sintered  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/19<br>07:51 |
| S146 | 893 | sintered material gas hydrogen   | US-PGPUB;<br>USPAT        | SAME | ON  | 2008/02/19<br>07:59 |
| S147 | 57  | sintered material gas hydrogen anode   | US-PGPUB;<br>USPAT        | SAME | ON  | 2008/02/19<br>08:00 |
| S148 | 1   | ("20030021742").PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/19<br>08:03 |
| S149 | 60  | Bectrochemical power generator system  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/19<br>08:08 |
| S150 | 43  | [US-20030175947-8 or US-20030141200-\$ or US-200300136588-\$ or US- 20030021742-\$ or US-20020179454-\$), did. or (US-7056480-\$ or US-7052790-\$ or US-665590-\$ or US-665593-\$ or US-665593-\$ or US-6648197-\$ or US- 6570819-\$ or US-648197-\$ or US- 6488401-\$ or US-648197-\$ or US- 6488401-\$ or US-648197-\$ or US- 6207055-\$ or US-613265-\$ or US- 6207055-\$ or US-613685-\$ or US- 6207055-\$ or US-6227471-\$ or US- 6207055-\$ or US-655997-\$ or US- 5512109-\$ or US-5685997-\$ or US- 5512109-\$ or US-5685997-\$ or US- 5512090-\$ or US-5685997-\$ or US- 5512090-\$ or US-5685997-\$ or US- 551209-\$ or US-5685997-\$ or US- 515900-\$ | US-PGPUE;<br>USPAT; USOCR | MTH  | CN  | 2008/02/19<br>08:20 |

|      |      | 3586435-\$ or US-6485452-\$ or US-<br>6200292-\$ or US-6117401-\$ or US-<br>5718819-\$ or US-5507946-\$ or US-<br>1273050-\$).did. or (US-1073878-\$).did. |                           |      |     |                     |
|------|------|--|---------------------------|------|-----|---------------------|
| S151 | 4    | S150 and sintered  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/19<br>08:20 |
| S152 | 40   | heat generator sintered  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/19<br>08:28 |
| S153 | 10   | ("6249723"   "6255008"   "6374166"  <br>"6378636"   "6428444"   "6447939").PN.<br>OR ("6645653").URPN.   | US-PGPUB;<br>USPAT; USOOR | WITH | ON  | 2008/02/19<br>08:33 |
| S154 | 3    | suction adj tube and hydrogen same<br>anode same cathode same gas same<br>chamber  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/19<br>11:43 |
| S155 | 15   | suction adj tube and hydrogen chamber  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/19<br>11:45 |
| S156 | 272  | outlet adj tube and hydrogen chamber   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/19<br>11:48 |
| S157 | 10   | ("3969214"   "4255403"   "4338919"  <br>"4369102"   "4421474"   "4465964").PN.<br>OR ("4613304").URPN.   | US-PGPUB;<br>USPAT; USOOR | WITH | ON  | 2008/02/19<br>12:46 |
| S158 | 1    | ("4511450").PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/19<br>16:46 |
| S159 | 30   | hydrogen oxygen closed circuit   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>07:50 |
| S160 | 11   | hydrogen oxygen closed adj circuit   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>07:50 |
| S161 | 53   | hydrogen oxygen closed adj cycle   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:01 |
| S162 | 3    | (("3,821,358") or ("3,928,549") or<br>("4,011,305") or<br>("3,969,495and3,574,561")).PN.   | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/20<br>08:06 |
| S163 | 5    | (("3,821,358") or ("3,928,549") or<br>("4,011,305") or ("3,969,495") or<br>("3,574,561")).PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/20<br>08:06 |
| S164 | 13   | electrolysis closed cycle hydrogen   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:11 |
| S165 | 0    | electrode forming the inner surface  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:40 |
| S166 | 0    | electrode forming the inner wall   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:40 |
| S167 | 1475 | electrode forming inner wall   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:40 |
| S168 | 3440 | electrode forming inner surface  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:40 |
| S169 | 472  | S168 and hydrogen  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:40 |
| S170 | 260  | S168 and hydrogen and oxygen   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:40 |
| S171 | 24   | S168 and hydrogen and oxygen and electrolysis  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:41 |
| S172 | 249  | S167 and hydrogen  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:45 |

| S173 | 125 | S167 and hydrogen and oxygen  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:45 |
|------|-----|---|---------------------------|------|-----|---------------------|
| S174 | 12  | S167 and hydrogen and oxygen and electrolysis   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:46 |
| S175 | 229 | electrode adj plate inner wall  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>08:49 |
| S176 | 0   | pressure working medium inverse acoustic  | US-PGPUB;<br>USPAT        | SAME | ON  | 2008/02/20<br>12:31 |
| S177 | 85  | pressure inverse acoustic   | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>12:31 |
| S178 | 1   | ("5392258"), PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/20<br>13:00 |
| S179 | 21  | ("2582994"   "3311873"   "3332057"  <br>"3900543"   "4134097"   "4397584"  <br>"4982375"   "5077696").PN. OR<br>("5392258").URPN. | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/20<br>13:03 |
| S180 | 13  | S179 and pressure   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/20<br>13:04 |
| S181 | 662 | acoustic pressure intensity   | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/20<br>13:05 |
| S182 | 2   | S181 inverse  | US-PGPUB;<br>USPAT; USOCR | WITH | ON  | 2008/02/20<br>13:05 |
| S183 | 1   | ("7252178"). PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/20<br>13:32 |
| S184 | 43  | acoustic pressure vs frequency  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>13:35 |
| S185 | 50  | acoustic pressure versus frequency  | US-PGPUB;<br>USPAT        | WITH | ON  | 2008/02/20<br>13:40 |
| S186 | 1   | ("6443725"). PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/20<br>14:15 |
| S187 | 1   | ("4014777").PN.   | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/20<br>14:15 |
| S188 | 3   | (("5882502") or ("4699700") or ("4182662")).PN. or (2005/0098443).  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/25<br>11:24 |
| S189 | 4   | (("20050098443") or ("5882502") or ("4699700") or ("4182662")).PN.  | US-PGPUB;<br>USPAT        | OR   | OFF | 2008/02/25<br>11:24 |

<sup>2/25/2008 5:57:10</sup> PM

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